

# 6

F. LaZar - 10/15/13

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

(1) General Information:  
(1) APPLICANT: Anderson, Dirk M.  
Galibert, Laurent  
Maraskovsky, Eugene  
(11) TITLE OF INVENTION: Ligand for Receptor Activator of NF-kappab  
(111) NUMBER OF SEQUENCES: 19

(iv) CORRESPONDENCE ADDRESS:  
(A) ADDRESSEE: Immunex Corporation, Law Department  
(B) STREET: 51 University Street  
(C) CITY: Seattle  
(D) STATE: WA  
(E) COUNTRY: USA  
(F) ZIP: 98101

(v) COMPUTER READABLE FORM:  
(A) MEDIUM TYPE: floppy disk  
(B) COMPUTER: Apple Power Macintosh  
(C) OPERATING SYSTEM: Apple Operating System 7.5.5  
(D) SOFTWARE: Microsoft Word for Power Macintosh 6.0.1

(vi) CURRENT APPLICATION DATA:  
(A) APPLICATION NUMBER: 09/688,459  
(B) FILING DATE:  
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:  
(A) APPLICATION NUMBER: 08/995,659  
(B) FILING DATE:  
(C) CLASSIFICATION:

(viii) PRIOR APPLICATION DATA:  
(A) APPLICATION NUMBER: USSN 08/813,509  
(B) FILING DATE: 07 MARCH 1997  
(C) CLASSIFICATION:

(ix) PRIOR APPLICATION DATA:  
(A) APPLICATION NUMBER: USSN 08/772,330  
(B) FILING DATE: 23 DECEMBER 1996  
(C) CLASSIFICATION:

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## RAW SEQUENCE LISTING

PATENT APPLICATION US/09/688,459

DATE: 02/15/2001  
TIME: 23:57:44

INPUT SET: S36394.raw

47 (viii) ATTORNEY/AGENT INFORMATION:  
48 (A) NAME: Perkins, Patricia Anne  
49 (B) REGISTRATION NUMBER: 34,693  
50 (C) REFERENCE/DOCKET NUMBER: 2852-A  
51  
52 (ix) TELECOMMUNICATION INFORMATION:  
53 (A) TELEPHONE: (206) 587-0430  
54 (B) TELEFAX: (206) 233-0644  
55  
56  
57 (2) INFORMATION FOR SEQ ID NO:1:  
58  
59 (1) SEQUENCE CHARACTERISTICS:  
60 (A) LENGTH: 3115 base pairs  
61 (B) TYPE: nucleic acid  
62 (C) STRANDEDNESS: single  
63 (D) TOPOLOGY: linear  
64  
65 (ii) MOLECULE TYPE: cDNA  
66  
67 (iii) HYPOTHETICAL: NO  
68  
69 (iv) ANTI-SENSE: NO  
70  
71 (v) ORIGINAL SOURCE:  
72 (A) ORGANISM: HOMO SAPIENS  
73  
74 (vi) IMMEDIATE SOURCE:  
75 (A) LIBRARY: BONE-MARROW DERIVED DENDRITIC CELLS  
76 (B) CLONE: 9D-8A  
77  
78 (ix) FEATURE:  
79 (A) NAME/KEY: CDS  
80 (B) LOCATION: 93..1868  
81  
82  
83 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
84  
85 GCTGCTGCTG CTCTGCGCGC TGCTGCGCCG GCTGCAAGTTT TATCCAGAAA GAGCTGTGTG  
86  
87 GACTCTCTGC CTGACCTCAG TGTCTTTTC AG GTG GCT TTG CAG ATC GCT CCT  
88  
89 Val Ala Leu Gln Ile Ala Pro  
90 1 5  
91 CCA TGT ACC AGT GAG AAG CAT TAT GAG CAT CTG GGA CGG TGC TGT AAC  
92 Pro Cys Thr Ser Gln Lys His Tyr Gln His Leu Gln Arg Cys Cys Asn  
93 10 15 20  
94 AAA TGT GAA CCA GGA AAG TAC ATG TCT TCT AAA TGC ACT ACT ACC TCT  
95 Lys Cys Gln Pro Gln Lys Tyr Met Ser Ser Lys Cys Thr Thr Ser  
96 25 30 35  
97  
98  
99 GAC AGT GTA TGT CTG CCC TGT GGC CCG GAT GAA TAC TTG GAT AGC TGG  
257

## RAW SEQUENCE LISTING

PATENT APPLICATION US/09/688,459

DATE: 02/15/2001  
TIME: 23:57:45

INPUT SET: S36394.raw

100	Asp	Ser	Val	Cys	Leu	Pro	Cys	Gly	Pro	Asp	Glu	Tyr	Leu	Asp	Ser	Trp	55
101																	50
102																	
103	AAT	GAA	GAA	GAT	AAA	TGC	TTG	CTG	CAT	AAA	GTT	TGT	GAT	ACA	GCC	AAG	305
104	Asn	Glu	Glu	Asp	Lys	Cys	Leu	Leu	His	Lys	Val	Cys	Asp	Thr	Gly	Lys	70
105																	65
106	GCC	CTG	GTC	GCC	GTC	GTC	GCC	GGC	AAC	AGC	ACC	CCC	CGG	CGG	TGC	TGC	
107	GCC	CTG	GTC	GCC	GTC	GTC	GCC	GTC	Ala	Gly	Asn	Ser	Thr	Pro	Arg	Cys	85
108	Ala	Leu	Val	Ala	Val	Val	Ala	Gly	Asn	Ser	Thr	Thr	Pro	Arg	Cys		
109																	75
110	GCG	TGC	ACG	GCT	GCG	TAC	CAC	TGG	AGC	CAG	GAC	TGC	GAG	TGC	TGC	CGC	
111	GCG	TGC	ACG	GCT	GCG	TAC	CAC	TGG	AGC	CAG	GAC	TGC	GAG	TGC	TGC	CGC	401
112	Ala	Cys	Thr	Ala	Gly	Tyr	His	Trp	Ser	Gln	Asp	Cys	Glu	Cys	Cys	Arg	100
113																	
114	GCG	AAC	ACC	GAG	TGC	GCG	CCG	GCG	GCG	CTG	GCG	GCG	CAG	CGC	TTG	CAG	
115																	
116	Arg	Asn	Thr	Glu	Cys	Ala	Pro	Gly	Leu	Gly	Ala	Gln	His	Pro	Leu	Gln	
117																	115
118	CTC	AAC	AAG	GAC	ACA	GTC	TGC	AAA	CCT	TGC	GCT	GCA	GCG	TAC	TTC	TCT	
119																	130
120	Leu	Asn	Lys	Asp	Thr	Val	Cys	Lys	Pro	Cys	Leu	Ala	Gly	Tyr	Phe	Ser	135
121																	
122	GAT	GCC	TTT	TCC	TCC	ACG	GAC	AAA	TGC	AGA	CCC	TGG	ACC	AAC	TGT	ACC	
123																	
124	Asp	Ala	Phe	Ser	Thr	Ser	Thr	Asp	Lys	Cys	Arg	Pro	Trp	Thr	Asn	Cys	Thr
125																	150
126	TTC	CTT	GGA	AAG	AGA	GTA	GAA	CAT	CAT	GCG	ACA	GAG	AAA	TCC	GAT	GCG	
127																	165
128	Phe	Leu	Gly	Lys	Arg	Val	Glu	His	His	Gly	Thr	Glu	Lys	Ser	Asp	Ala	
129																	165
130	GTT	TGC	AGT	TCT	TCT	CTG	CCA	GCT	AGA	AAA	CCA	CCA	AAT	GAA	CCC	CAT	
131																	
132	Val	Cys	Ser	Ser	Ser	Leu	Pro	Ala	Arg	Lys	Pro	Pro	Asn	Glu	Pro	His	
133																	180
134	GTT	TAC	TTG	CCC	GGT	TTA	ATA	ATT	CTG	GTT	CTC	TTC	GCG	TCT	GTC	GCC	
135																	
136	Val	Tyr	Leu	Pro	Gly	Leu	Ile	Ile	Leu	Leu	Phe	Ala	Ser	Val	Ala		
137																	195
138																	
139	CTG	GTC	GCT	GCC	ATC	ATC	TTT	GCG	GTT	TGC	TAT	AGG	AAA	GGG	AAA		
140	Leu	Val	Ala	Ala	Ile	Ile	Phe	Gly	Val	Cys	Tyr	Arg	Lys	Lys	Gly	Lys	215
141																	
142	GCA	CTC	ACA	GCT	AAT	TTG	TGG	CAC	TGG	ATC	AAT	GAG	GCT	TGT	GCG	CGC	
143																	220
144	Ala	Leu	Thr	Ala	Asn	Leu	Trp	His	Trp	Ile	Asn	Glu	Ala	Cys	Gly	Arg	
145																	225
146	CTA	AGT	GGA	GAT	AAG	GAG	TCC	TCA	GGT	GAC	AGT	TGT	GTC	AGT	ACA	CAC	
147																	
148	Leu	Ser	Gly	Asp	Lys	Glu	Ser	Ser	Gly	Asp	Ser	Cys	Val	Ser	Thr	His	245
149																	
150																	245
151	ACG	GCA	AAC	TTT	GGT	CAG	CAG	GGA	GCA	TGT	GAA	GGT	GTC	TTA	CTG	CTG	
152	Thr	Ala	Asn	Phe	Gly	Gln	Gln	Gly	Ala	Cys	Gln	Gly	Val	Leu	Leu	Leu	881

# RAW SEQUENCE LISTING PATENT APPLICATION US/09/688,459

DATE: 02/15/2001  
TIME: 23:57:45

INPUT SET: S36394.raw

153	250	255	260
154	ACT CTG GAG GAG AAG ACA TTT CCA GAA GAT ATG TGC TAC CCA GAT CAA		
155	Thr Leu Glu Glu Lys Thr Phe Pro Glu Asp Met Cys Tyr Pro Asp Glu		
156		270	275
157			
158			
159	GGT GGT GTC TGT CAG GGC ACC TGT GTA GGA GGT GGT CCC TAC GCA CAA		
160	Gly Gly Val Cys Glu Gly Thr Cys Val Gly Gly Pro Tyr Ala Glu	285	290
161			
162			
163	GGC GAA GAT GCC AGG ATG CTC TCA TTG GTC AGC AAG ACC GAG ATA GAG		
164	Gly Glu Asp Ala Arg Met Leu Ser Leu Val Ser Lys Thr Glu Ile Glu	300	305
165			
166	GAA GAC AGC TTC AGA CAG ATG CCC ACA GAA GAT GAA TAC ATG GAC AGG		
167	Glu Asp Ser Phe Arg Glu Met Pro Thr Glu Asp Glu Tyr Met Asp Arg	315	320
168			
169			
170	CCC TCC CAG CCC ACA GAC CAG TTA CTG TTC CTC ACT GAG CCT GGA AGC		
171	Pro Ser Glu Pro Thr Asp Glu Leu Leu Phe Leu Thr Glu Pro Gly Ser	330	340
172			
173			
174	AAA TCC ACA CCT CCT TTC TCT GAA CCC CTG GAG GTC GGC GAG AAT GAC		
175	Lys Ser Thr Pro Phe Ser Glu Pro Leu Glu Val Gly Glu Asn Asp	345	355
176			
177			
178	AGT TTA AGC CAG TGC TTC ACC GGG ACA CAG AGC ACA GTG GGT TCA GAA		
179	Ser Leu Ser Glu Cys Phe Thr Gly Thr Glu Ser Thr Val Gly Ser Glu	360	370
180			
181			
182	AGC TGC AAC TGC ACT GAG CCC CTG TGC AGG ACT GAT TGG ACT CCC ATG		
183	Ser Cys Asn Cys Thr Glu Pro Leu Cys Arg Thr Asp Thr Pro Met	380	390
184			
185			
186	TCC TCT GAA AAC TAC TTG CAA AAA GAG GTG GAC AGT GGC CAT TGC CCG		
187	Ser Ser Glu Asn Tyr Leu Glu Lys Glu Val Asp Ser Gly His Cys Pro	400	405
188			
189			
190	CAC TGG GCA GCC AGC CCC AGC CCC AAC TGG GCA GAT GTC TGC ACA GGC		
191	His Trp Ala Ala Ser Pro Asn Trp Ala Asp Val Cys Thr Gly	410	420
192			
193			
194	TGC CGG AAC CCT CCT GGG GAG GAC TGT GAA CCC CTC GTG GGT TCC CCA		
195	Cys Arg Asn Pro Pro Gly Glu Asp Cys Glu Pro Leu Val Gly Ser Pro	425	435
196			
197			
198	AAA CGT GGA CCC TTG CCC CAG TGC GCC TAT GGC ATG GGC CTT CCC CCT		
199	Lys Arg Gly Pro Leu Pro Glu Cys Ala Tyr Gly Met Gly Leu Pro Pro	440	450
200			
201			
202	GAA GAA GAA GCC AGC AGG ACC GAG GCC AGA GAC CAG CCC GAG GAT GGG		
203	Glu Glu Glu Ala Ser Arg Thr Glu Ala Arg Asp Glu Pro Glu Asp Gly	460	470
204			
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RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/688,459DATE: 02/15/2001  
TIME: 23:57:46

INPUT SET: S36394.raw

206 GCT GAT GGG AGG CTC CCA AGC TCA GCG AGG GCA GGT GCC GGG TCT GGA  
207 Ala Asp Gly Arg Leu Pro Ser Ser Ala Arg Ala Gly Ala Gly Ser Gly  
208 475 480 485  
209  
210 AGC TCC CCT GGT GGC CAG TCC CCT GCA TCT GGA AAT GTG ACT GGA AAC  
211 Ser Ser Pro Gly Gly Gln Ser Pro Ala Ser Gly Asn Val Thr Gly Asn  
212 490 495 500  
213  
214 AGT AAC TCC ACC TTC ATC TCC AGC GGG CAG GTG ATG AAC TTC AAG GGC  
215 Ser Asn Ser Thr Phe Ile Ser Ser Gly Gln Val Met Asn Phe Lys Gly  
216 505 515  
217  
218 GAC ATC ATC GTG GTC TAC GTC AGC CAG ACC TCG CAG GAG GGC GCG  
219 Asp Ile Ile Val Val Tyr Val Ser Gln Thr Ser Gln Gly Ala Ala  
220 520 525 530 535  
221  
222 GCG GCT GCG GAG CCC ATG GGC CCG GTG CAG GAG ACC CTG GCG  
223 Ala Ala Ala Gln Pro Met Gly Arg Pro Val Gln Gln Thr Leu Ala  
224 540 545 550  
225  
226 CGC CGA GAC TCC TTC GCG GGG AAC GGC CCG GCG TTC CCG GAC CCG TGC  
227 Arg Arg Asp Ser Phe Ala Gly Asn Gly Pro Arg Phe Pro Asp Pro Cys  
228 555 560 565  
229  
230 GGC GGC CCC GAG GGG CTG CCG GAG CCG GAG AAG GCC TCG AGG CCG GTG  
231 Gly Gly Pro Gln Gly Leu Arg Gln Pro Gln Lys Ala Ser Arg Pro Val  
232 570 580  
233  
234 CAG GAG CAA GGC GGC MAG GCT TGA GGGCCCCCA TGGCTGGAG  
235 Gln Gln Gln Gly Ala Lys Ala  
236 585 590  
237  
238  
239 CCGGAAGCTC GGAGCCAGGG CTCGCGAGGG CAGCACCGCA GCCTCTGCCC CAGCCCCGGG  
1948  
240  
241 CACCCAGGGA TCGATCGGTA CAGTCGAGGA AGACCAACCCG GCATTCTCTG CCCACTTTGC  
2008  
242  
243 CTTCCAGGAA ATGGGCTTTT CAGGAAGTGA ATTGATGAGG ACTGTCCCCA TGCCACAGGA  
2068  
244  
245 TCGTCAGCAG CCGGCGGCAC TGGGGCAGAT GTCTCCCTG CCACTCCTCA AACTCGAGC  
2128  
246  
247 AGTAATTGT GGCACATATGA CAGCTATTTT TATGACTATC CTGTTCTGTG GGGGGGGGGT  
2188  
248  
249 CTATGTTTC CCCCCTATAT TGTATTCCTT TTCTAATCTT TTCTTGATAT CTTTCCTCCC  
2248  
250  
251 TCTTTTAA TGTAAAGGT TTCTCAAAA TTCTCCTAAA GTTGAGGGTC TCTTTCTTTT  
2308  
252  
253 CTCTTTTCT TTTTCTTTT TTTTCTTGGC AACCTGGCTC TGGCCCCAAGC TAGAGTGCA  
2368  
254  
255 TGGTGGGAT ATAGCCCGGT GCAAGCCTCTA ACTCCTGGGC TCAAGCAATC CAAGTGATCC  
2428  
256  
257 TCCCACTCA ACCTTCGGAG TAGCTGGGAT CACAGCTGCA GGGCACGGCC AGCTTCTCTC  
2488  
258

SEQUENCE VERIFICATION REPORT  
PATENT APPLICATION US/09/688,459

Original Text

Error

Line

SEQUENCE MISSING ITEM REPORT  
PATENT APPLICATION US/09/688,459

DATE: 02/15/2001  
TIME: 23:57:46  
INPUT SET: S36394.rnw

> > THERE ARE NO ITEMS MISSING > >

SEQUENCE CORRECTION REPORT  
PATENT APPLICATION US/09/688,459

DATE: 02/15/2001  
TIME: 23:57:46  
INPUT SET: S36394.raw

Corrected Text

Original Text

Line